

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Ute Tribal 18-16Q			
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT ANTELOPE CREEK			
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME ANTELOPE CREEK			
6. NAME OF OPERATOR PETROGLYPH OPERATING CO						7. OPERATOR PHONE 208 685-7674			
8. ADDRESS OF OPERATOR 960 Broadway Ave, Ste 500, Bosie, ID, 83703						9. OPERATOR E-MAIL bwest@pgei.com			
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) BIA 14-20-H62-3512			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')			
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')			
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Ute Indian Tribe			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>			

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	911 FSL 703 FEL	SESE	18	5.0 S	3.0 W	U
Top of Uppermost Producing Zone	20 FSL 200 FWL	SWSW	17	5.0 S	3.0 W	U
At Total Depth	20 FSL 200 FWL	SWSW	17	5.0 S	3.0 W	U

21. COUNTY DUCHESNE	22. DISTANCE TO NEAREST LEASE LINE (Feet) 703	23. NUMBER OF ACRES IN DRILLING UNIT 640
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 764	26. PROPOSED DEPTH MD: 6128 TVD: 5960
27. ELEVATION - GROUND LEVEL 6145	28. BOND NUMBER LP4138153	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8342

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	20	14	0 - 40	5.0	Unknown	10.0	Class G	25	1.17	15.8
Surf	12.25	8.625	0 - 480	24.0	J-55 ST&C	10.0	Class G	220	1.17	15.8
Prod	7.875	5.5	0 - 6128	15.5	J-55 LT&C	10.0	Class G	462	1.92	12.5
							Class G	338	1.46	13.4

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Ed Trotter	TITLE Agent	PHONE 435 789-4120
SIGNATURE	DATE 01/27/2012	EMAIL edtrotter@easilink.com
API NUMBER ASSIGNED 43013512010000	APPROVAL Permit Manager	

T5S, R3W, U.S.B.&M.

PETROGLYPH OPERATING CO., INC.

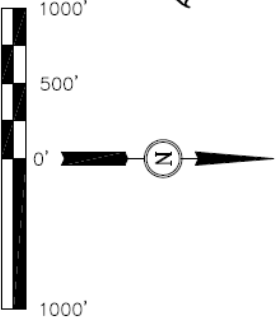
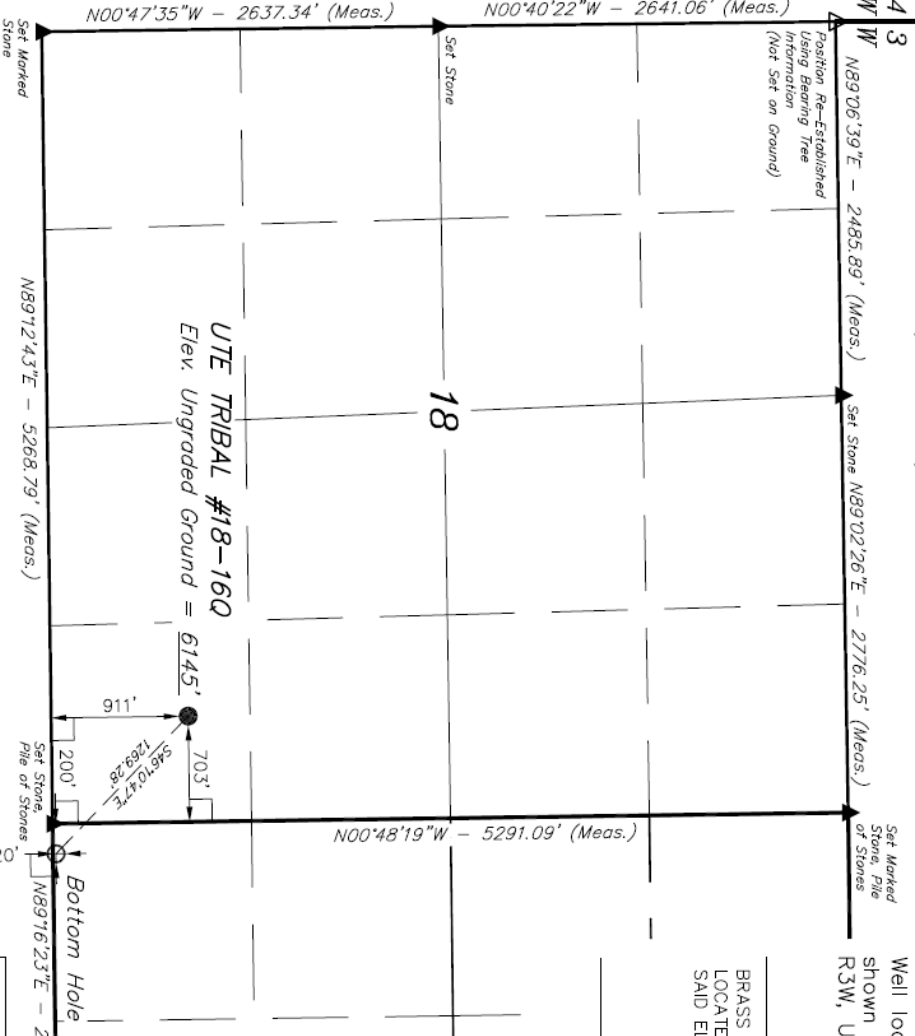
Well location, UTE TRIBAL #18-16Q, located as shown in the SE 1/4 SE 1/4 of Section 18, T5S, R3W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

BRASS CAP SET IN CONCRETE BY SUNRISE ENGINEERING LOCATED IN THE SE 1/4 OF SECTION 16, T5S, R3W, U.S.B.&M. SAID ELEVATION IS MARKED AS BEING 6281.9 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE
THIS IS TO CERTIFY THAT THE ABOVE SURVEY WAS PREPARED FOR THE FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
REGISTERED LAND SURVEYOR
STATE OF UTAH
EXPIRATION DATE 06-15-11

UTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

LEGEND:																	
—	= 90° SYMBOL																
●	= PROPOSED WELL HEAD.																
▲	= SECTION CORNERS LOCATED.																
△	= SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)																
<table><tr><td colspan="2">NAD 83 (TARGET BOTTOM HOLE)</td></tr><tr><td>LATITUDE = 40°02'21.70" (40.039361)</td><td>NAD 83 (SURFACE LOCATION)</td></tr><tr><td>LONGITUDE = 110°15'19.73" (110.255481)</td><td>LATITUDE = 40°02'30.51" (40.041808)</td></tr><tr><td></td><td>LONGITUDE = 110°15'31.35" (110.258708)</td></tr><tr><td colspan="2">NAD 27 (TARGET BOTTOM HOLE)</td></tr><tr><td>LATITUDE = 40°02'21.84" (40.039400)</td><td>NAD 27 (SURFACE LOCATION)</td></tr><tr><td>LONGITUDE = 110°15'17.18" (110.254772)</td><td>LATITUDE = 40°02'30.65" (40.041847)</td></tr><tr><td></td><td>LONGITUDE = 110°15'28.80" (110.258000)</td></tr></table>		NAD 83 (TARGET BOTTOM HOLE)		LATITUDE = 40°02'21.70" (40.039361)	NAD 83 (SURFACE LOCATION)	LONGITUDE = 110°15'19.73" (110.255481)	LATITUDE = 40°02'30.51" (40.041808)		LONGITUDE = 110°15'31.35" (110.258708)	NAD 27 (TARGET BOTTOM HOLE)		LATITUDE = 40°02'21.84" (40.039400)	NAD 27 (SURFACE LOCATION)	LONGITUDE = 110°15'17.18" (110.254772)	LATITUDE = 40°02'30.65" (40.041847)		LONGITUDE = 110°15'28.80" (110.258000)
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SCALE	1" = 1000'																
PARTY	G.S. D.A. S.B.																
WEATHER	WARM																
FILE	PETROGLYPH OPERATING CO., INC.																
DATE SURVEYED:	08-09-11																
DATE DRAWN:	10-10-11																
REFERENCES	G.L.O. PLAT																